

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO.

FOR  
GRANITE CONSTRUCTION COMPANY  
KEITHLY RANCH/HIGHWAY 175 QUARRY  
LAKE COUNTY

This monitoring and reporting program (MRP) incorporates requirements for monitoring the aggregate wash water settling ponds. This MRP is issued pursuant to Water Code 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer.

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The time, date, and location of each grab sample shall be recorded on the sample chain of custody form. Field test instruments (such as those used to measure pH and dissolved oxygen) may be used provided that:

1. The operator is trained in the proper use and maintenance of the instruments;
2. The instruments are field calibrated prior to each monitoring event;
3. The instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are submitted as described in the "Reporting" section of this MRP.

**POND MONITORING**

The aggregate wash water settling pond and the small storage pond at the southeast corner of the plant shall be inspected weekly and monitored as follows:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Freeboard <sup>1</sup>	0.1 Feet	Measurement	Weekly	Monthly
Berm Condition <sup>2</sup>	N/A	Observation	Weekly	Monthly

<sup>1</sup>Freeboard shall be measured from the lowest point of overflow.

<sup>2</sup>Evidence of leakage or overflow shall be noted.

**EFFLUENT MONITORING**

Samples shall be collected from the aggregate wash water settling pond. At a minimum, the Discharger shall monitor the wastewater as follows:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Inflow	gpd	Flow Meter or Pump Run Times	Daily	Monthly

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
pH	pH units	Grab	Monthly	Monthly
Total Dissolved Solids	mg/L	Grab	Monthly	Monthly
Dissolved Metals <sup>1,2</sup>	µg/L	Grab	Semi-Annual	Semi-Annual <sup>4</sup>
Total Recoverable Mercury (non-filtered) <sup>3</sup>	ng/L	Grab	Semi-Annual	Semi-Annual <sup>4</sup>

<sup>1</sup>At a minimum, the following metals shall be included: aluminum, antimony, arsenic, total chromium, hexavalent chromium, copper, iron, lead, manganese, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc. Analytical methods shall be selected to provide detection limits below the limiting Water Quality Goal for each constituent.

<sup>2</sup>Samples shall be filtered through a 0.45 micron filter prior to preservation.

<sup>3</sup>The total recoverable mercury detection limit shall be no more than 5 ng/L

<sup>4</sup>Include in the January and July monthly reports.

## REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, pond, etc.), and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported in the next scheduled monitoring report.

### A. Monthly Monitoring Reports

Monthly Monitoring Reports shall be submitted to the Regional Board on the **1<sup>st</sup> day of the second month following sampling** (i.e. the January Report is due by 1 March). At a minimum, the Monthly Monitoring Report shall include:

1. Results of the pond monitoring, and effluent monitoring.
2. A map depicting the locations of all active wash water ponds, storm water ponds, slurry deposition areas, and the locations where freeboard is measured.
3. A comparison of monitoring data to the discharge specifications and an explanation of any violation of those requirements. Data shall be presented in tabular format.
4. If requested by staff, copies of laboratory analytical report(s).
5. A calibration log verifying calibration of all monitoring instruments and devices used to comply with the prescribed monitoring program.
6. A description of the type and amount of chemical coagulants used in the wastewater to enhance the settling of the fines.

7. The January and July monthly reports shall include the semi-annual monitoring results for aggregate washwater pond.

**B. Annual Monitoring Report**

The Annual Monitoring Report shall include all monitoring data required in the monthly schedule and shall be submitted to the Regional Board by **1 February** each year. In addition to the data normally presented in the Monthly Monitoring Reports, the Annual Monitoring Report shall include the following:

1. If requested by staff, tabular and graphical summaries of all monitoring data collected during the year;
2. A discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the waste discharge requirements.
3. A Water Balance and Capacity Calculation Report that presents calculation of the current capacity of the wastewater pond system and evaluation of the wastewater storage system's ability to adequately contain all rainfall and industrial wastewater discharged to the pond. Rainfall amounts shall be based on the total annual precipitation based on a return period of 100 years, distributed monthly in accordance with historical rainfall patterns.
4. If the Discharger elects to use pump run times instead of a flow meter to measure daily wash water inflows, a calibration log verifying actual pump flows.

A transmittal letter shall accompany each self-monitoring report. The letter shall discuss any violations during the reporting period and all actions taken or planned for correcting violations, such as operation or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain a statement by the Discharger or the Discharger's authorized agent, under penalty of perjury, that to the best of the signer's knowledge the report is true, accurate, and complete.

The Discharger shall implement the above monitoring program as of the date of this Order.

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THOMAS R. PINKOS, Executive Officer

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Date